



Department of Planning and Zoning

149 Church Street, City Hall

Burlington, VT 05401-8415

Phone: (802) 865-7188

Fax: (802) 865-7195

www.burlingtonvt.gov/pz

Zoning Permit Application

Use this form for ALL zoning permit applications. See the relevant checklist for specific requirements.

PROJECT LOCATION ADDRESS: 170 & 180 Carrigan Drive

PROPERTY

OWNER*: University of Vermont

*If condominium unit, written approval from the Association is also required

APPLICANT: Redstone/American Campus Comm. & University of Vermont

POSTAL ADDRESS: 109 S. Prospect, Room 201

CITY, ST, ZIP: Burlington, VT 05401

DAY PHONE: 802-656-0215

EMAIL: lani.ravin@uvm.edu

SIGNATURE: Linda Seavey Linda Seavey

I am the owner. In addition, I duly authorize the applicant (if noted) to act on my behalf for all matters pertaining to this zoning permit application.

POSTAL ADDRESS: 210 College St, Ste 201

CITY, ST, ZIP: Burlington, VT 05401

DAY PHONE: 802-363-5165

EMAIL: ehoekstra@redstonevt.com

SIGNATURE: [Signature]

Description of Proposed Project: COA Level II application for UVM undergraduate student housing & dining facility on Central Campus.

Existing Use of Property: ☐ Single Family ☐ Multi Family: # Units ☒ Other: Institutional

Proposed Use of Property: ☐ Single Family ☐ Multi Family: # Units ☒ Other: Institutional

- Does your project involve new construction, addition, alteration, renovation, or repair to a structure that is heated or cooled? Yes ☒ No ☐
(If yes, the Vermont Residential Building Energy Standards (VRBES) apply. Visit the P&Z Office, Public Service Board or PSB website for details)
- Will 400 sq ft or more of land be disturbed, exposed and/or developed? Yes ☒ No ☐
(If yes, you will need to submit the 'Erosion Prevention and Sediment Control Plan' questionnaire, with a site plan)
- For Single Family & Duplex, will total impervious area be 2500 sq ft or more? Yes ☐ No ☐
(If yes, you will need to submit the 'Stormwater Management Plan' questionnaire, with a site plan)
- Are you proposing any work within or above the public right of way? Yes ☐ No ☒
(If yes, you will need to receive prior approval from the Department of Public Works)

Estimated Construction Cost (value)*: \$ 42,000,000

(*Estimated cost a typical contractor would charge for all materials and labor, regardless of who physically completes the work)

Within 30 days of submission, the permit application will be reviewed for completeness, and, if complete, will be processed administratively or referred to a board for review. All permit approvals or denials are subject to an appeal period (15 days for administrative permit; 30 days for board permit). A building (and/or electrical, mechanical, plumbing, curb cut) permit will also be required. Contact the Department of Public Works at 802-863-9094 to inquire. Please ask for assistance if you have any questions about filling out this form. Call the Planning and Zoning at 802-865-7188, or visit the office in the lower level of City Hall, 149 Church Street.

Office Use Only: Zone: Eligible for Design Review? Age of House Lot Size
Type: SN AW FC BA COA 1 COA 2 COA 3 CU MA VR HO SP DT MP
Check No. Amount Paid Zoning Permit #



Burlington Department of Public Works

Stormwater Program

645 Pine Street

Burlington, VT 05401

PH: 802-540-1748 Email: mmoir@ci.burlington.vt.us



Small Project Erosion Prevention & Sediment Control Plan

This questionnaire, at a minimum, is required to accompany all zoning or building permit applications **which involve 400 sq. ft. or more of land disturbance**. Please also provide a site plan indicating the locations of all erosion prevention and sediment control measures (silt fence, hay bales etc).

Properties with greater than 2500 sq. ft. of total impervious surfaces, that are adding more impervious, will also be required to comply with additional long term stormwater management requirements.

1. Project Location 170 & 180 Carrigan Drive
2. Brief Project Description (i.e. house foundation, swimming pool)
The University is proposing to construct a multi-level student housing project on the Central Campus. The project will include constructing two new buildings that will be connected by an elevated bridge, and elevated connector to the Bailey Howe Library, and associated drives, walks, landscaping, and utilities.
3. Owner Name: University of Vermont
4. Owner Mailing Address: 109 South Prospect Street
5. Owner Phone: 802-656-3208
6. Owner email: Linda.Seavey@uvm.edu
7. Contractor Name: Not known at this time
8. Contractor Phone: _____
9. Contractor Email: _____
10. Estimated Project Start Date October 1, 2015 Estimated End Date August 22, 2017
11. Area of Land Disturbance 164,750 +/- sq. ft.
12. Total proposed (existing + new) amount of impervious: 70,765 sq. ft. Net New Impervious _____
13. Estimated distance in feet from disturbance to nearest:
 - a. City Sidewalk or Street 165 ft
 - b. Drainage Ditch 0 ft
 - c. Catch Basin (storm drain) 0 ft
 - d. Lake/River/Stream >500 ft
14. Site plan/sketch MUST BE ATTACHED showing the following:
 - ☒ Limits of disturbance
 - ☒ Direction of stormwater flow on site
 - ☒ Location of stockpiles (if any)
 - ☒ Location of sediment control BMP's (silt fence etc.)

EPSC QUESTIONNAIRE (See last page for typical solutions to these questions)

A) Nature of all site disturbances (check all that apply):

- ☒ Underground utility trench(es) ☒ curb cut/driveway ☒ foundation ☒ cut/fill/regrading ☒ landscaping
☒ other Sidewalks, plaza construction

B) Do you anticipate the need for any dewatering of excavations during the construction? ☒ Yes ☐ No

- **If yes**, how will the pumped water be managed or filtered to prevent the discharge of dirty water?

Pumped water will be discharged to vegetated areas away from disturbed areas. If vegetative filtering is not sufficient, sediment filter bags will be used for dewatering. A stone lined sediment trap may also be used.

C) Will excavated soil be stockpiled on the site? ☐ Yes ☒ No

- If yes, how long will the stockpile be on site? (i.e. 1 day, 1 week) _____

How do you propose to control erosion of the stockpile? _____

- If no, where is the ultimate disposal of excess soil? Excess soil will be removed from site and disposed in an approved off-site soil disposal area.

D) How do you propose to prevent sediment from leaving the site and entering nearby city sidewalks/streets and storm

drains and/or lakes, rivers and streams? (see page 4 for examples)

Inlet protection will be installed around catch basins within the construction site and downslope of disturbed areas. Silt fence will be installed at downslope limits of disturbance. Paved areas will be swept if sediment is tracked from the sites. Stabilized construction entrances will be installed at all access locations.

E) Do you plan to park construction vehicles on or disturb City owned property like the greenbelt area? ☐ Yes ☒ No

- If yes, tell us how you agree to repair all disturbances or damage to City owned property and provide a written approval from the City allowing construction vehicles to park on City owned property.

- If no, then please monitor all construction and visitor vehicles and advise all not to park on City owned property.

F) How do you propose to either prevent or clean sediment generated from construction vehicles and activities that becomes deposited on City streets, sidewalks, or bikepaths and how frequently this will be done.

Construction vehicles will be accessing sites from existing internal UVM paved roads which will make tracking of sediment onto city streets and sidewalk unlikely. Sediment tracked onto City streets or sidewalks will be removed within 24 hours.

G) Will stockpiles or disturbed soils be present and/or exposed after Nov. 1st of any construction year? ☒ Yes ☐ No

- If yes, tell us how you plan to stabilize any stockpile and/or disturbed soils.

Construction will extend through the winter months. There will be no long term soil stockpiles. All disturbed soils will be stabilized, per the Winter Construction requirements, using crushed stone.

Do you agree to abide by the following conditions?

☒ Y ☐ N Applicant will call 540-1748 or email mnoir@burlingtonvt.us at least 24 hours prior to initiating earth disturbance and submit the name and contact (cell phone and email) of the erosion control coordinator for the project

☒ Y ☐ N Applicant will post the notice in a visible location

☒ Y ☐ N I acknowledge that it is the responsibility of the owner and his/her representatives to ensure that:

- sediment does not enter surface water bodies (streams, ditches, ponds, lakes, wetlands etc.)
- sediment does not enter City conveyance infrastructure (catch basins, sewers etc.) and
- All sediment must be removed from the city ROW (sidewalks and roadways) by the end of each work day.

☒ Y ☐ N Sediment control measures will be installed prior to the initiation of earth disturbance.

☒ Y ☐ N During the non-winter construction season (April 15 – November 1): After an initial **14 day** period of initial disturbance, temporary or permanent stabilization (mulching, erosion control matting or tarps for stockpiles, or other approved method) of exposed areas and stockpiles will occur at the end of each work day unless:

- Earthwork is to continue in the area within the next 24 hours and there is NO liquid precipitation forecast for the next 24 hours; or
- If work is occurring in a self contained excavation (no outlet) with a depth of 2 feet or greater (e.g. house foundation excavation or utility trenches.

- ☒ Y ☐ N During the winter construction period from November 1 to April 15, any **new disturbance** must be temporarily or permanently stabilized (mulching, erosion control matting or tarps for stockpiles, or other approved method) will occur at the end of each work day unless:
- Earthwork is to continue in the area within the next 24 hours **and** there is NO liquid precipitation forecast for the next 24 hours; or
 - If work is occurring in a self-contained excavation (no outlet) with a depth of 2 feet or greater (e.g. house foundation excavation or utility trenches)
- ☒ Y ☐ N The perimeter of the site and all BMPs will be inspected at the **end of each workday** to ensure that sediment will not leave the site. If sediment has travelled beyond the site boundary, it shall be swept up or otherwise removed and deposited on-site in an upgradient area at the **end of each work day**.
- ☒ Y ☐ N The owner and his/her representatives shall abide by the best management practices (BMPs) indicated in this plan and conditions and in the Vermont DEC Low Risk Site Handbook for Erosion Prevention and Sediment Control (2006). Contact 802-540-1748 for a hard copy or go to the web:
http://vtwaterquality.org/stormwater/docs/construction/sw_low_risk_site_handbook.pdf
- ☒ Y ☐ N **If soils will be exposed after November 1st and winter construction has not been permitted the project will notify DPW prior to October 15th.** If the project is completed during the winter months, an additional inspection will be required to ensure that the site is buttoned up for the winter.
- ☒ Y ☐ N Within 48 hours of reaching final grading, the exposed soil will be seeded and mulched or covered with erosion control matting (for slopes steeper than 3:1 or high wind prone areas). Erosion control matting is preferred.
- ☒ Y ☐ N The owner will contact DPW to schedule a stabilization inspection when site work is finished and stabilization measures (seeding and mulching or matting) have been installed.

AGREEMENT

By filling out and signing this plan, I agree to abide by the terms and conditions outlined above. Failure to follow this plan can result in a stop work order by the City of Burlington, fines, or both.

By: ☒ Owner ☐ Contractor ☐ Architect/Engineer

University of Vermont
Name

Linda Seavey
Signature Duo for Campus Planning

4.15.15
Date

Additional Conditions of Approval:

Required Compliance Items:

- Notification of start/identification of EPSC responsible party
- Winter Stabilization Inspection (if applicable)
- Final Stabilization

AN EROSION PREVENTION AND SEDIMENT CONTROL PLAN

FOR THE PROJECT AT:

HAS BEEN FILED WITH THE CITY OF BURLINGTON
STORMWATER MANAGEMENT PROGRAM IN ACCORDANCE
WITH CHAPTER 26 OF THE BURLINGTON CODE OF ORDINANCES

THIS REQUIRES THAT MEASURES BE INSTALLED OR TAKEN TO
PREVENT SEDIMENT FROM LEAVING THE SITE AND ENTERING
WATERWAYS AND IMPACTING CITY INFRASTRUCTURE
(RIGHT OF WAY AND STORMDRAINS)

FOR QUESTIONS OR TO REPORT SEDIMENT LEAVING THE SITE
CALL 802-540-1748

This notice to be posted in full view at all times during earth
disturbance. Additional conditions on attached.

Plan Approved by: _____ Date: _____
Megan J. Moir, CPESC, CPSWQ

TYPICAL SOLUTIONS TO PREVENT OR CONTROL SEDIMENT AND EROSION

STOCKPILES

- Cover small stockpiles with a tarp when not being used.
- Install silt fencing or other appropriate devices around the stockpiles to filter sediment.
- Cover stockpiles with straw or other approved mulching material.
- Plan to remove any unusable material as soon as possible from the site to an approved location.
- Plant grass and mulch stockpiles that will be on site for more than 14 days.
- Cover, vegetate or install erosion matting on stockpiles that will remain disturbed over the winter.

DISTURBED AREAS

- Maintain vegetated buffers around disturbed areas.
- Install silt fencing or other appropriate device to filter sediment washing off from disturbed areas. Remember that the bottom of the silt fence must be “keyed in” (dug into ground) to work correctly.
- To prevent sediment from running off your site via your driveway (or other paved areas where you can’t install silt fence) use a row of hay bales or tube sand.
- Cover disturbed areas as soon as possible with straw or other approved mulching material. Use erosion control matting in high wind, traffic or slopes steeper than 3:1 (horizontal to vertical), and follow the manufacturer’s guidelines staple the matting down.
- Plant grass and mulch or use erosion control matting all disturbed areas that will remain exposed for more than 14 days.
- Cover, vegetate or install erosion matting on areas that will remain disturbed over the winter.
- Protect ditches, catch basins or water bodies off-site by using silt fencing, gravel check dams or other approved sediment control methods.

CONSTRUCTION VEHICLES

- Do not park construction vehicles on City owned green space. Vehicles disturb vegetation and compact the soil, thereby reducing its ability to infiltrate stormwater. Any green belt disturbance will need to be permanently stabilized with grass seed and erosion control matting.
- Prevent sediment from leaving the project by cleaning the tires of vehicles, or use clean gravel at project access points to clean tires.
- Sweep city streets, sidewalks and bikepaths daily or as needed to remove sediment transported from the project.

RESOURCES

The Vermont Handbook for Erosion Prevention and Sediment Control at:

http://vtwaterquality.org/stormwater/docs/construction/sw_low_risk_site_handbook.pdf

The City of Burlington Stormwater Program Page at

<http://www.dpw.ci.burlington.vt.us/stormwater/>

The City of Burlington Conservation Board Stormwater and Erosion Control Fact sheet at

<http://www.ci.burlington.vt.us/planning/cb/stormwater/management.html>